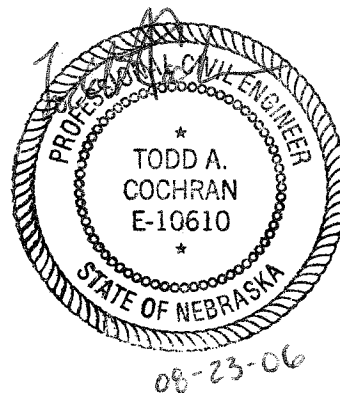


**ADDENDUM NO. 2
Pioneers Blvd. Widening Project
Antelope Creek to Pagoda Lane
City of Lincoln Project No. 700019
SPEC. NO. 06-244
August 23, 2006**

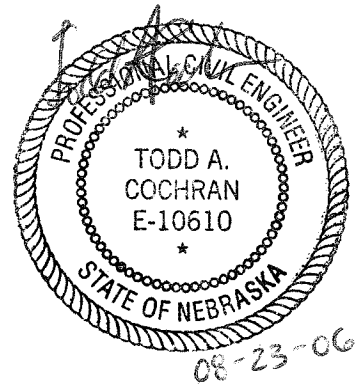
TO ALL PROSPECTIVE BIDDERS:

Note: Bidders are instructed to attach this page of Addendum No. 2 to the inside cover of the contract folder and to sign and fax to Mary Lowe (402-441-6576), as evidence that this Addendum No. 2 has been received. Failure to do so may result in the rejection of the Bid.

Company/Contact Person



ADDENDUM NO. 2
Pioneers Blvd. Widening Project
Antelope Creek to Pagoda Lane
City of Lincoln Project No. 700019
SPEC. NO. 06-244
August 23, 2006



1. ADVANCED MEDICAL IMAGING

Advanced Medical Imaging, 7601 Pioneers Boulevard, houses an MRI machine which is sensitive to external vibration. The Contractor shall be responsible for monitoring of and operating in compliance with acceptable levels of vibration caused by construction activity in the vicinity of the Advanced Medical Imaging building. The monitoring shall be accomplished whenever the Contractor's activities are being conducted between stations 1662+00 to 1667+00 and during pile driving operation. Advanced Medical Imaging typically runs the MRI machines from 6:00 a.m. until approximately 8:00 p.m. Monday through Friday and on the 1st and 3rd Saturdays of the month from 7:00 a.m. until 12:30 p.m. The machines run every 45 minutes. The schedule is typically known 3 days in advance. It is possible Advanced Medical Imaging could notify the contractor if there is a time when the MRI machine is not in operation. Advanced Medical Imaging indicates they could block out a 2-3 hour window with advanced notice if needed.

Construction activities of concern include, but are not limited to compaction during grading and paving operations, public utility construction, pile driving and operation of tracked vehicles and earth hauling equipment in the vicinity of the Advanced Medical Imaging building. The Contractor shall maintain a smoothly graded vehicle path or utilize the existing asphalt pavement for construction vehicles adjacent to Advanced Medical Imaging. The Contractor is also required to limit construction vehicular speed to 10 mph within the station range listed above.

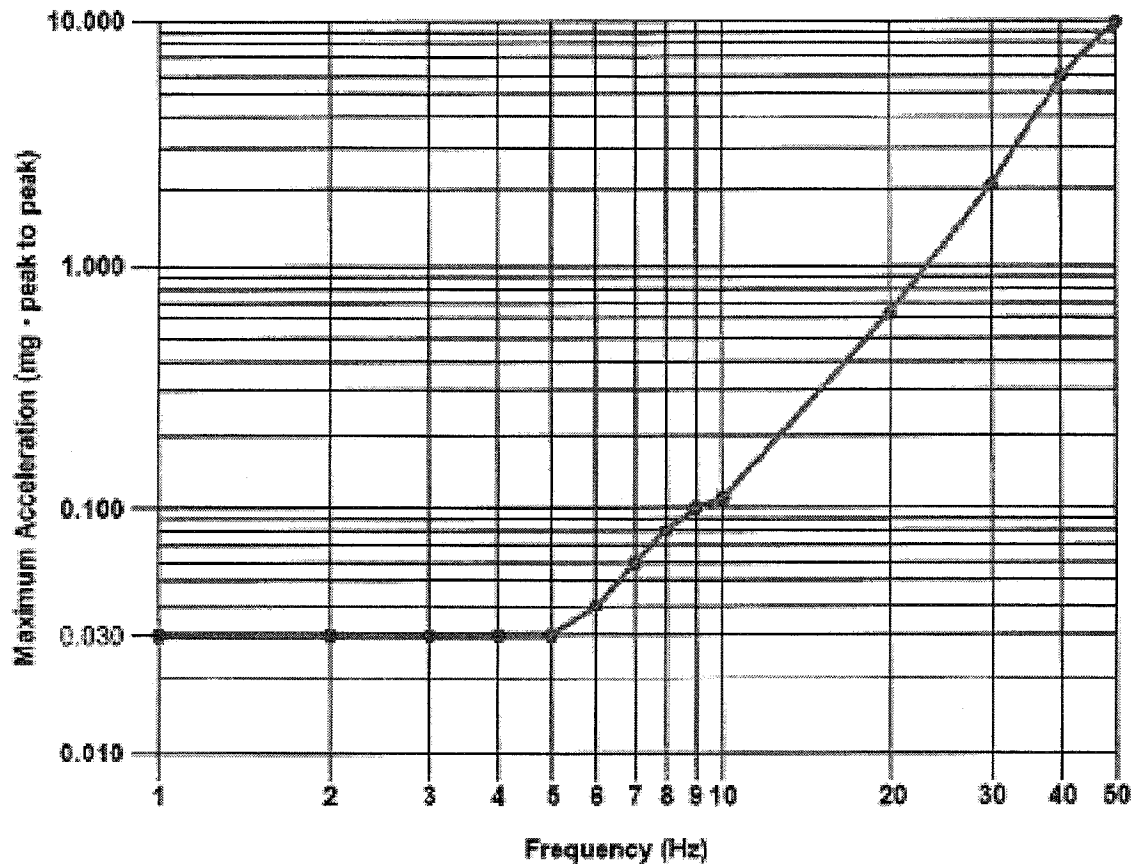
The vibration monitoring equipment shall be setup to notify the Contractor's project superintendent by phone in real time if vibration levels are being exceeded. If vibration monitors indicate vibration levels are being exceeded, the Contractor shall cease operations immediately. The Contractor may proceed only after the Contractor either modifies the construction methods to become compliant with acceptable vibration levels or coordinates with Advanced Medical Imaging to identify periods when the MRI machines are not in use or when non-compliant vibration levels are acceptable.

Advanced Medical Imaging currently has one MRI machine. The vibration limits are as follows: 10 mG MAXIMUM ALL THREE AXIS PEAK TO PEAK MEASURED ON THE FLOOR THE MAGNET IS MOUNTED TO. THE ACCELEROMETER IS TO HAVE A FREQUENCY RANGE OF 1 TO 5000 Hz.

Advanced Medical Imaging is in the process of installing a second MRI machine. This machine is to be operational by December 1st. The vibration limits for the second machine are as follows:

ADDENDUM NO. 2
Pioneers Blvd. Widening Project
Antelope Creek to Pagoda Lane
City of Lincoln Project No. 700019
SPEC. NO. 06-244
August 23, 2006

The following chart illustrates acceptable levels of coherent, or steady source, vibration levels defined by Philips, the manufacturer of the Panorama 1.0 MRI Magnet MRI machine. Non-coherent, or single-event pulse, vibrations up to 10 times the levels shown are acceptable levels of vibration once per minute.



The levels of vibration and corresponding frequencies depicted in the chart are as follows:

AMPLITUDE – ACCELERATION (mg) milli-g's

FREQUENCY	AMPLITUDE – ACCELERATION (mg) milli-g's
1-5	0.030
6	0.040
7	0.060

ADDENDUM NO. 2
Pioneers Blvd. Widening Project
Antelope Creek to Pagoda Lane
City of Lincoln Project No. 700019
SPEC. NO. 06-244
August 23, 2006

8	0.080
9	0.100
10	Approx. 0.110
20	0.600
30	2.000
40	6.000
50	10.000

Payment for vibration testing and monitoring shall be considered subsidiary to items for which payment is made. No extra payment shall be made for operations considered necessary for vibration level compliance.

The contractor shall limit the size of equipment used within the temporary easement on the Advanced Medical Imaging Property to avoid interference with the electromagnetic field envelope that extends outside the building.

2. Class 47B-3000 for Bridge

The quantity for item 15.0010 Class 47B-3000 for Bridge in Group 15 has been modified from 147.60 C.Y. to 180.0 C.Y. Attached is the updated Project Item Schedule reflecting this quantity modification for the item.

3. Questions Asked By Contractors

Question: At station 1659+53.02, what pipe material is the existing 30" Sanitary Sewer, and what is an acceptable transition coupler between the existing and the proposed 30" C900 PVC?

Answer: The existing 30 sanitary sewer pipe material at station 1659+53.02 is vitrified clay pipe. One acceptable method of coupling the vitrified clay and proposed pvc pipe is by use of a Fernco coupling which is subsequently encased in concrete. Coupling methods by other means shall be submitted and approved by the Engineer prior to installation.

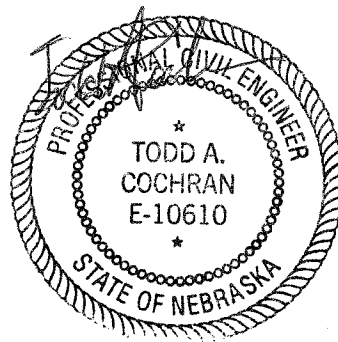
Question: Is the 9" PCC Pavement plain concrete or doweled?

Answer: The 9" PCC Pavement will not be doweled pavement.

ADDENDUM NO. 2
Pioneers Blvd. Widening Project
Antelope Creek to Pagoda Lane
City of Lincoln Project No. 700019
SPEC. NO. 06-244
August 23, 2006

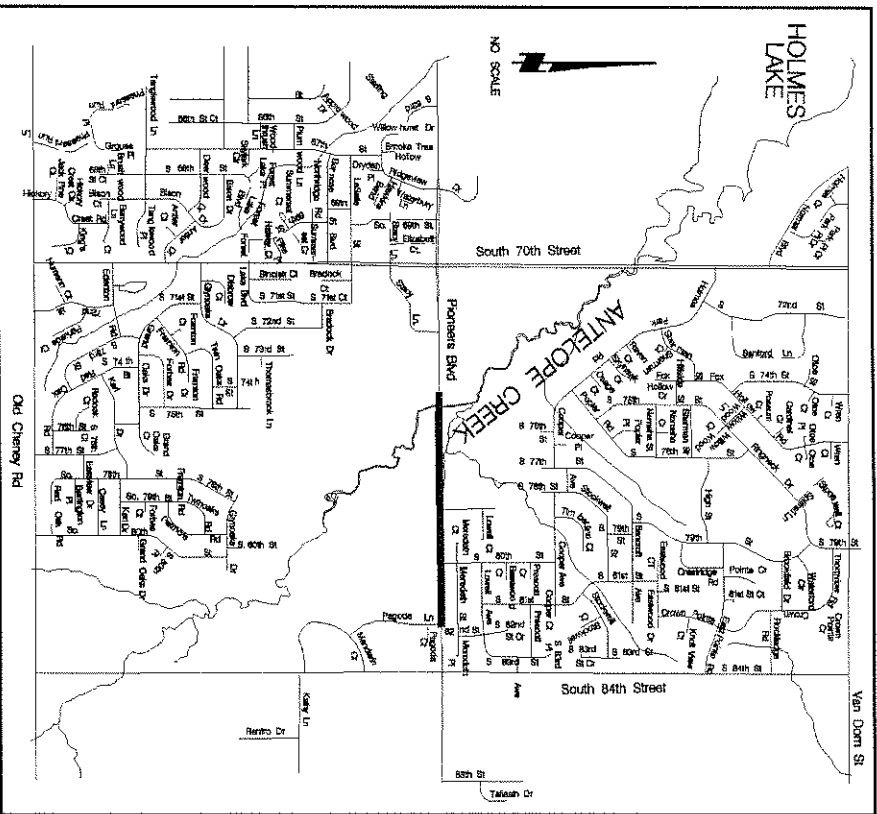
Question: Is it necessary to require the PVC pipe be restrained joint pipe? It appears most of the water main runs are loops. The pipe would be cut to fit. Can mega-lugs be used in lieu of the certalok to restrain the joints?

Answer: The Certa-Lok restraints or approved equal would be required only for PVC used for the bored water main underneath Antelope Creek between stations 1658+02.02, 60 Lt to 1659+21.86, 60 Lt. Mega-Lugs are acceptable elsewhere.



08-23-06

CITY OF LINCOLN, NE (2006)
PIONEERS BOULEVARD
WEST OF ANTELOPE CREEK TO PAGODA LANE
WIDENING PROJECT #700019



SHT NO.	SHEET INDEX
1	COVER
2	SUMMARY OF QUANTITIES
3	TYPICAL SECTIONS
4	GENERAL NOTES
5-6	DETAILS
7	HORIZONTAL AND VERTICAL CONTROL
8-13	GEOMETRICS
14-16	CONSTRUCTION PHASING
17-20	TRAFFIC CONTROL
21-27	SEDIMENT AND EROSION CONTROL
28-33	JOINTS AND GRADES
34-36	ROADWAY PLAN AND PROFILE
37	BIKE TRAIL PLAN AND PROFILE
38	CHANNEL\BIKE TRAIL GRADING PLAN
39-44	CONSTRUCTION AND REMOVAL
45-47	RETAINING WALL PLAN AND PROFILE
48-53	STORM DRAINAGE
54-58	STORM DRAINAGE PLAN AND PROFILE
59	WASTE WATER
60	WASTE WATER PLAN AND PROFILE
61-66	WATER MAIN
67	WATER MAIN PLAN AND PROFILE
68-69	WATER MAIN PROFILE
70-79	TRAFFIC SIGNAL AND LIGHTING
80-85	PAVEMENT MARKING AND SIGNING
86-94	RIGHT-OF-WAY
95-142	ROADWAY CROSS SECTION
143-146	CHANNEL CROSS SECTION
147-162	BRIDGE

PROJECT CONTACT

ENGINEERING SERVICES:
DEVELOPMENT SERVICES
531 WESTGATE BLVD.
LINCOLN, NE 68528
ATTN: DENNIS BARTLELS...441-7595

ENGINEERING SERVICES:
TRAFFIC OPERATIONS
531 WESTGATE BLVD.
LINCOLN, NE 68528
ATTN: SCOTT OPFER...441-7851

PARKS DEPARTMENT
2740 A ST.
LINCOLN, NE 68502
ATTN: MARK CANNERY...441-8248

LANCASTER RURAL WATER DISTRICT NO. 1
310 FIR
BENNETT, NE 68317
ATTN: KEN HALVERSON...782-3485

ALTTEL
401 S. 21ST ST.
LINCOLN, NE 68510
ATTN: JIM BARTLES

AQUILA
1600 WINDHOEK DR.
LINCOLN, NE 68512
ATTN: PAT BARTEK...437-1787

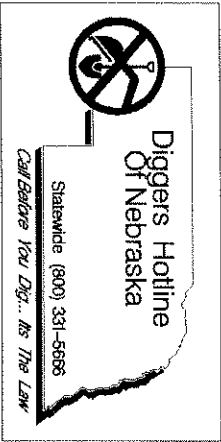
LINCOLN ELECTRIC SYSTEM
P.O. BOX 80869
LINCOLN, NE 68501
ATTN: BRAD LAFLER...467-7559

SPRINT COMMUNICATIONS
SUPERVISOR, TRANSMISSION OPERATIONS
5810 F STREET
OMAHA, NE 68117
ATTN: JEFF HUMMEL...402 522-2862

TIME WARNER CABLE
5400 SO. 16TH ST.
LINCOLN, NE 68512
ATTN: LOU KIPPER...421-0393

QWEST COMMUNICATIONS
ATTN: FRANCIS BUSQUE
13962 DENVER W. PKWY, BLDG 53 #200
GOLDEN, CO 80401
ATTN: FRANCIS BUSQUE...303 445-7066

MAGELLAN
P.O. BOX 100
GREENWOOD, NE 68366
ATTN: DONNY JOHNSON...789-3350

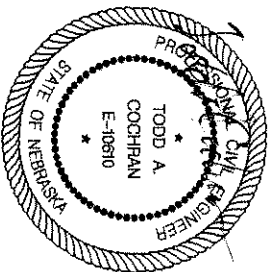


PRIOR TO CONSTRUCTION:

CALL 1-800-331-5666 FOR LOCATION OF UNDERGROUND
TELEPHONE, ELECTRIC, GAS MAINS, CABLEVISION AND CITY OF
LINCOLN UTILITIES.

NOTE: EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND
DRAINAGE STRUCTURES HAVE BEEN PLOTTED FROM AVAILABLE
INFORMATION AND THEREFORE, THEIR LOCATIONS MUST BE
CONSIDERED APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF
THE INDIVIDUAL CONTRACTORS TO EXACTLY LOCATE AND
PROTECT EACH EXISTING UTILITY BEFORE AND DURING ACTUAL
CONSTRUCTION.

Rev. No.	Date	Sheets Revised
R	08-08-06	2, 7, 10, 11, 14, 15, 37, 50, 52, 59, 72
12	08-23-06	2



COORDINATING PROFESSIONAL
08-23-06

APPROVED FOR CONSTRUCTION

Thomas J. Hufsch
CITY ENGINEER'S OFFICE
DATE 8/24/06

WATER MAIN ITEMS, CONT

23.0682 6" PLUG, M.J.	EA.	4
23.0685 CONC FOR THRUST BKS & ANCHORAGES (IN PLACE)	C.Y.	35
23.0670 REINF. STL FOR THRUST BLOCKS & ANCHORAGES	LS.	1,075
23.0685 RECONSTRUCT WATER SERVICE	EA.	1
23.0690 LOOP WATER SERVICE	EA.	3
23.0695 2" COPPER WATER SERVICE PIPE	L.F.	110
23.0710 1" COPPER WATER SERVICE PIPE	L.F.	25
23.0715 0.75" COPPER WATER SERVICE PIPE	L.F.	20
23.0920 REM 16" WATER MAIN	L.F.	397
23.0930 REM 12" WATER MAIN	L.F.	40
23.0940 REM 8" WATER MAIN	L.F.	30
23.0980 REM AND SALVAGE HYDRANT (CMP)	EA.	7
23.1000 REM AND SALVAGE GATE VALVE & BOX (CMP)	EA.	7
50.0001 REINFORCED CONC THRUST COLLAR	EA.	2

WASTE WATER ITEMS

11.0700 FLOWABLE FILL	C.Y.	6
22.0080 8" SANITARY SEWER PIPE	L.F.	194
22.0620 STD MH, TYPE "G"	EA.	1
22.0630 STD MH, TYPE "G"	V.F.	10
22.0700 STD MH, TYPE "S"	EA.	1
22.0710 STD MH, TYPE "S"	V.F.	13
22.0780 TAP EX MH & RECONSTRUCT INVERT	EA.	1
22.0790 FILL AND ABANDON EX MH (CMP)	EA.	1
22.0820 RECONSTRUCT SANITARY SEWER SERVICE	EA.	2
22.0850 4" PIPE SEWER SERVICE	L.F.	120
22.0930 8" x 4" "V"	EA.	2

WATER MAIN ITEMS

20.0194 BORING FOR 16" WATER MAIN	L.F.	120
23.0005 16" WATER MAIN	L.F.	417
23.0006 12" WATER MAIN	L.F.	40
23.0007 8" WATER MAIN	L.F.	20
23.0008 6" WATER MAIN	L.F.	308
23.0230 16"X46" TAPPING SLEEVE AND VALVE, M.J.	EA.	5
23.0240 16"X46" TAPPING SLEEVE AND VALVE, M.J.	EA.	1
23.0280 12"X46" TAPPING SLEEVE AND VALVE, M.J.	EA.	1
23.0420 16" BUTTERFLY VALVE, M.J.	EA.	2
23.0460 8" GATE VALVE, M.J.	EA.	9
23.0482 HYDRANT, CMP, L=6.5'	EA.	10
23.0500 16" RETAINER GLAND, M.J.	EA.	46
23.0510 12" RETAINER GLAND, M.J.	EA.	12
23.0520 8" RETAINER GLAND, M.J.	EA.	8
23.0530 6" RETAINER GLAND, M.J.	EA.	17
23.0538 6"X90 DEG BEND, M.J.	EA.	1
23.0542 16"X46 DEG BEND, M.J.	EA.	12
23.0544 12"X46 DEG BEND, M.J.	EA.	4
23.0546 6"X46 DEG BEND, M.J.	EA.	5
23.0576 16"X22.5 DEG BEND, M.J.	EA.	1
23.0578 16"X8" TEE, M.J.	EA.	1
23.0592 8" ANCHORING ELBOW, M.J.	EA.	2
23.0594 8" ANCHORING COUPLING, M.J. (L=18")	EA.	7
23.0626 16" OFFSET 18" DROP, M.J.	EA.	2
23.0634 8" OFFSET, 24" DROP, M.J.	EA.	2
23.0638 6" OFFSET, 24" DROP, M.J.	EA.	1
23.0640 6" OFFSET, 12" DROP, M.J.	EA.	1
23.0646 16" SOLID SLEEVE, M.J. (L=15")	EA.	6
23.0648 12" SOLID SLEEVE, M.J. (L=12")	EA.	2
23.0649 8" SOLID SLEEVE, M.J. (L=12")	EA.	2

BRIDGE ITEMS

50.0001 ELASTOMERIC BEARING	EA.	74
50.0005 HP 10x42 STEEL PILING	L.F.	2,824
50.0005 PEDESTRIAN BARRIER RAIL	L.F.	212
50.0005 5 PEDESTRIAN FENCE	L.F.	208
50.0010 CLASS 47B-3000 FOR BRIDGE	C.Y.	447.6
50.0010 CLASS 47B-4000 FOR BRIDGE	C.Y.	174.5
50.0010 GRANULAR BACKFILL	C.Y.	466.9
50.0010 CONCRETE FOR PAVT APPROACHES	C.Y.	945.6
50.0015 ABUTMENT 1 EXCAVATION	L.S.	1
50.0015 ABUTMENT 2 EXCAVATION	L.S.	1
50.0015 PRECAST PRESTRESSED CONCRETE SUPERSTRUCTURE	L.S.	1
50.0025 EPOXY COATED REINFORCING STEEL	LBS	60,978
50.0025 EPOXY COATED REINFORCING STEEL FOR APPROACH	LBS	38,716
50.0040 SUBSURFACE DRAINAGE MATTING	S.Y.	78.4
50.0045 STEEL SHEET PILING	S.F.	8,760

STORM DRAINAGE ITEMS, CONT

21.1240 REM 54" STORM SEWER PIPE	L.F.	186
21.1260 REM 42" STORM SEWER PIPE	L.F.	152
21.1270 REM 36" STORM SEWER PIPE	L.F.	136
21.1310 REM 18" STORM SEWER PIPE	L.F.	38
21.1320 REM 15" STORM SEWER PIPE	L.F.	186
21.1490 REM & RESET 42" RC FES	EA.	1
21.1600 REM 54" RC FES	EA.	1
21.1620 REM 42" RC FES	EA.	2
21.1680 REM 15" RC FES	EA.	4
21.1710 REM EX INLET (CMP)	EA.	3
21.1740 REM EX GRATE INLET (CMP)	EA.	1
21.1750 REM EX HDWL (CMP)	EA.	2
21.2111 RFP-TAP (IN PLACE)	TON	140
50.0001 66" PRE-CAST STORM SEWER MH (CMP)	EA.	1
50.0015 REM EX BOX CULVERT & WINGWALLS (CMP)	L.S.	1

TRAFFIC SIGNAL ONLY ITEMS

24.0807 PB-9	EA.	2
24.0810 PB-FOR27	EA.	8
24.0897 CONDUIT, 4" B	L.F.	1,225
24.0904 CONDUIT, 2" T	L.F.	780
24.0905 CONDUIT, 3" T	L.F.	45
24.0906 CONDUIT, 4" T	L.F.	2,820
24.1035 FIBER 12 SM	L.F.	4,740
24.1050 TRACER WIRE	L.F.	5,099
24.1194 DETECTOR VEHICLE MAGNETIC	EA.	2
24.1380 GROUND ROD, 10'	EA.	5
24.1692 DETECTOR VEHICLE 4 TURNS UC	EA.	4
24.6021 LOCATE STICK	EA.	2

JOINT ELECTRICAL

24.5233 INST MA POLE, MA-2, LESS TRAFFIC MAST ARM	EA.	2
24.5234 INST MA POLE, MA-2 (MA > 50'), LESS TRAFFIC MAST ARM	EA.	2

STREET LIGHT ONLY ITEMS

24.0900 CONDUIT, 1/2" T	L.F.	23
24.0903 CONDUIT, 1 1/2" T	L.F.	1,974
24.1063 CABLE NO. 4 CG	L.F.	1,841
24.1065 CABLE NO. 8 CG	L.F.	948
24.1071 CABLE NO. 2 SL	L.F.	3,882
24.1073 CABLE NO. 6 SL	L.F.	1,896
24.1469 STREET LIGHT POLE, TYPE SL-A-C-45-12T-5	EA.	10
24.1476 STREET LIGHT POLE, TYPE SL-A-C-50-12T-5	EA.	4
24.1508 LUMINAIRE, 250W HPSV-PC	EA.	21
50.0001 STREET LIGHT POLE, TYPE SL-EM-45-12T-5	EA.	3

PAVEMENT MARKING ITEMS

13.0270 PAINT MKG, 4" Y	L.F.	6,930
13.0275 PAINT MKG, 4" W	L.F.	2,007
13.0680 RAISED PAVT MARKERS	EA.	6
13.0670 FLEXIBLE TUBULAR MARKERS	EA.	7
14.0001 TRAFFIC SIGN < 4 SQ FT	EA.	8
14.0003 TRAFFIC SIGN 4 SQ FT < 9 SQ FT	EA.	9
14.0007 "U" CHANNEL SIGN POSTS	L.F.	122
14.0009 STREET NAME (ROUND) POSTS	EA.	56

GENERAL ITEMS

0.2000 CONST STAKING	L.S.	1
0.4000 MOBILIZATION	L.S.	1
15.0001 TRAFFIC CTRL FOR CONST	L.S.	1
50.0060 DYNAMIC MESSAGE SIGN	C DAY	150

GRADING ITEMS

1.0100 PAVT & SIDEWALK REM	C.Y.	3,236
1.0170 ADJ MH TO GRADE, CMP	EA.	13
1.0180 ADJ WATER VALVE BOX TO GRADE, CMP	EA.	10
1.0190 STD MONUMENT BOX (IN PLACE)	EA.	3
1.0200 STD DEAD END BARRICADE, TY III (IN PLACE)	EA.	2
1.0210 TY "A" SAWING	L.F.	59
1.0220 TY "B" SAWING	L.F.	211
1.0230 TY "C" SAWING	L.S.	1
2.0010 GEN CLEARING & GRUBBING	EA.	55
2.0020 TREE REM (12" TO 23")	EA.	16
2.0030 TREE REM (24" TO 35")	EA.	16
2.0040 TREE REM (36" & OVER)	EA.	5
2.0100 EARTH EXCAVATION	C.Y.	5,682
2.0105 OVEREXCAVATION	C.Y.	3,856
2.0110 EARTH BORROW MEASURED IN EMBANKMENT (E.C.)	C.Y.	6,365
50.0010 EXCAVATION BORROW	C.Y.	6,365

PAVING ITEMS

3.0080 9" PCC PAVT WANT CURB	S.Y.	20,151
6.0080 CONC MEDIAN NOSE, (IN PLACE)	EA.	1
7.0080 4" CONC MEDIAN SURFACING	S.F.	4,489
7.0090 4" CONC SIDEWALK	S.F.	30,364
7.0090 6" CONC DRIVEWAY	S.F.	2,316
7.0040 5" CONC DRIVEWAY	S.F.	772
7.0045 5" CONC BIKEWAY	S.F.	14,012
7.0100 BUILD DETECTABLE WARNING PANEL	S.F.	160
50.0035 TEMPORARY ROCK SURFACING	TON	486
50.0035 ASPHALT CONC FOR DRIVEWAY	TON	51
50.0035 TEMPORARY ASPHALT PAVEMENT	TON	1,171
50.0040 9" HIGH EARLY STRENGTH CONCRETE	S.Y.	3,000

STORM DRAINAGE ITEMS

21.0030 60" R.C.P. STORM SEWER, CL. III	L.F.	840
21.0040 54" R.C.P. STORM SEWER, CL. III	L.F.	447
21.0060 42" R.C.P. STORM SEWER, CL. III	L.F.	274
21.0070 36" R.C.P. STORM SEWER, CL. III	L.F.	880
21.0100 18" R.C.P. STORM SEWER, CL. III	L.F.	148
21.0110 15" R.C.P. STORM SEWER, CL. III	L.F.	730
21.0400 48"X76" ELLIP RCP STORM SEWER	L.F.	58
21.0750 15" RC FES, WGRATE	EA.	2
21.0770 72" STORM SEWER INLET (CMP)	EA.	6
21.0780 72" CANTED STORM SEWER INLET (CMP)	EA.	15
21.0830 GRATE INLET, TY "T-2", (CMP)	EA.	1
21.0855 STORM SEWER MH, 78" (CMP)	EA.	1
21.0870 STORM SEWER MH, 54"-60" (CMP)	EA.	3
21.0875 STORM SEWER MH, 54" (CMP)	EA.	2
21.0885 STORM SEWER MH, 42" (CMP)	EA.	1
21.0890 STORM SEWER MH, TO 36" (CMP)	EA.	3
21.0940 CONC FOR COLLARS, ELBOWS & HDW SIGN PLACE)	C.Y.	4.42
21.0960 REINF. STEEL FOR COLLARS, ELBOWS & HDWLS (IN PLACE)	LB.	574
21.1050 TAP EX STORM SEWER MH & REPLACE	EA.	1
21.1070 TAP EX RCP	EA.	3

